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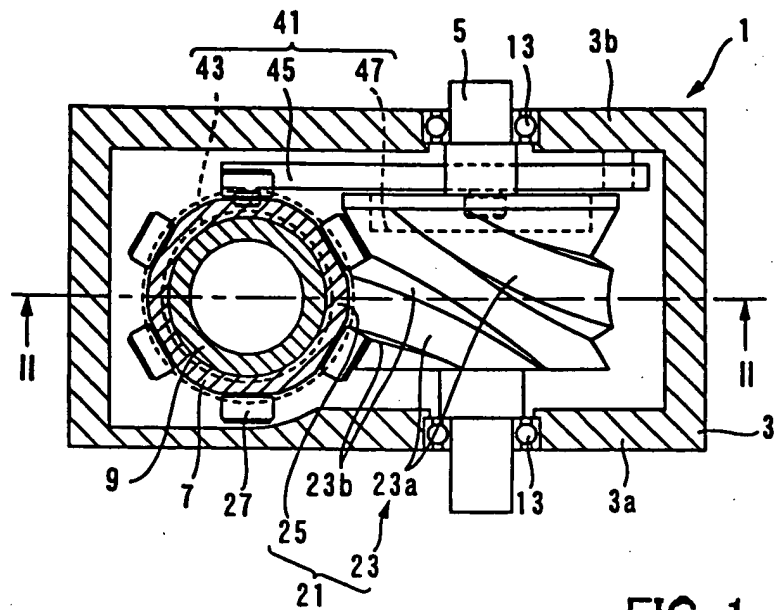


FIG. 1

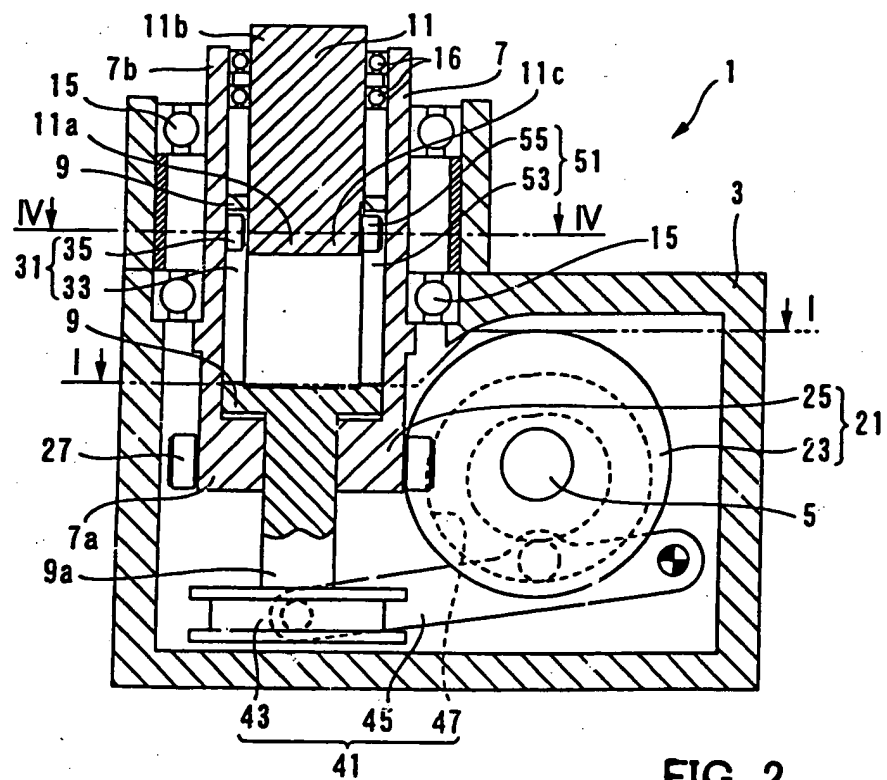


FIG. 2

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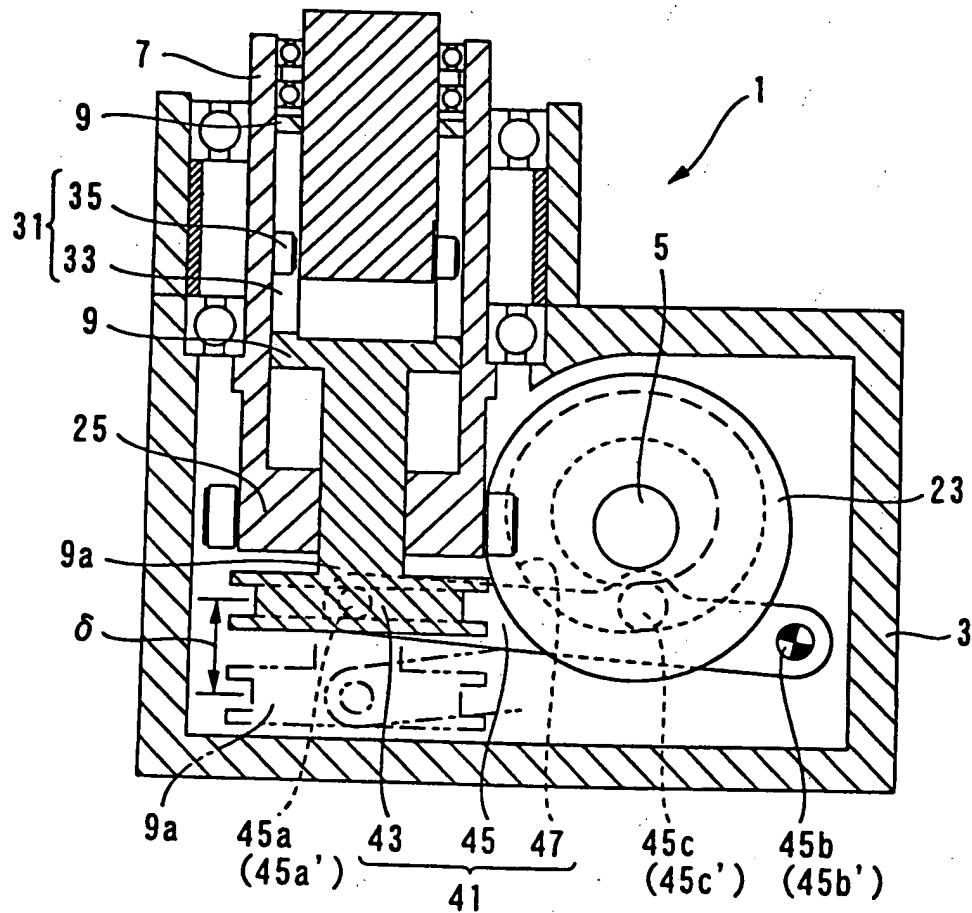


FIG. 3

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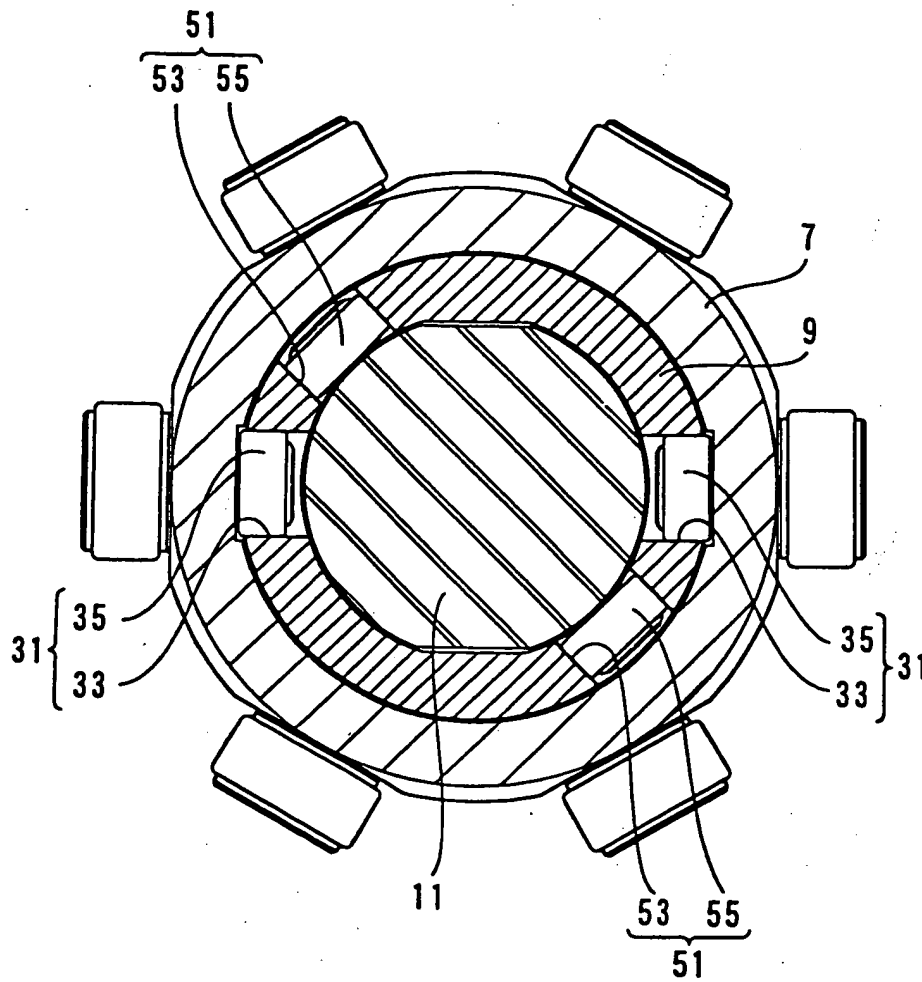


FIG. 4

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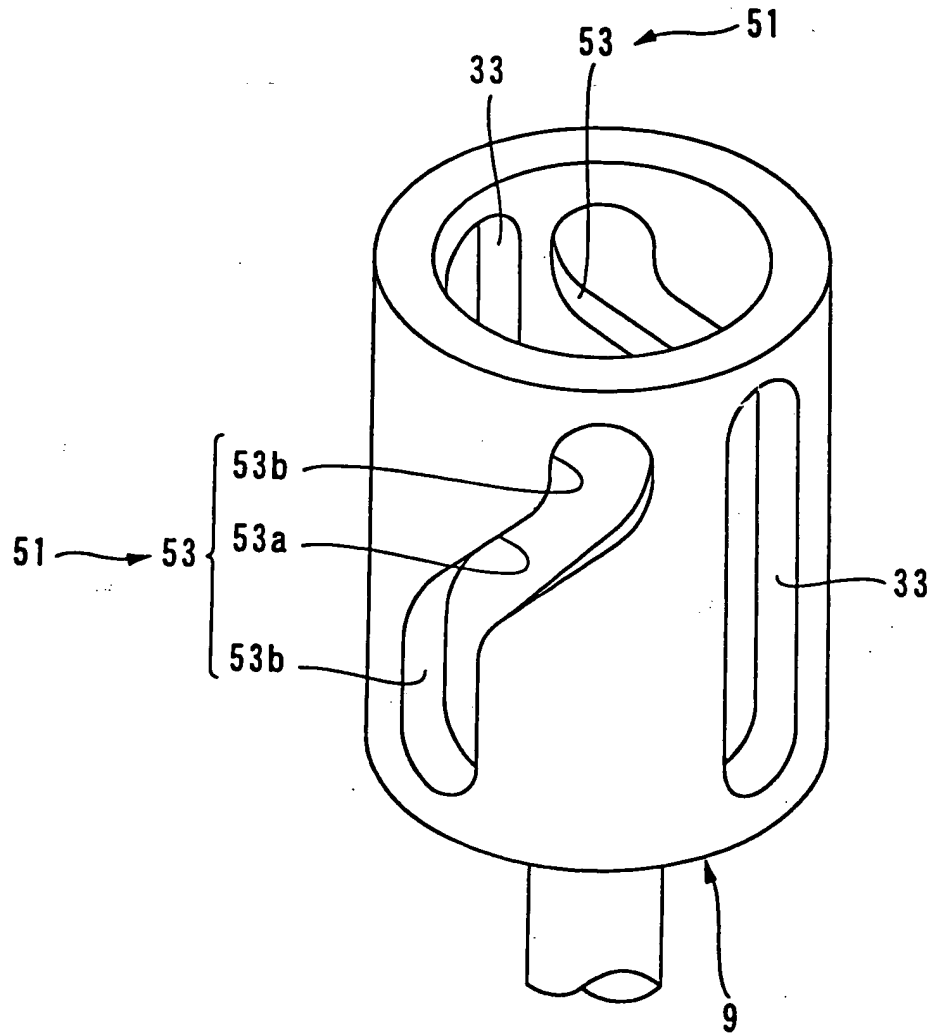
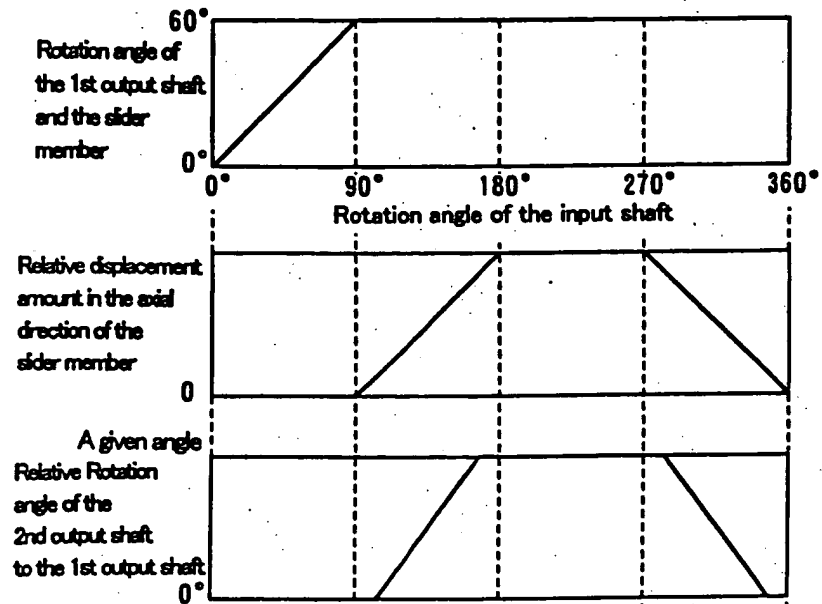


FIG. 5

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### Timing Diagrams



### Operation Diagrams

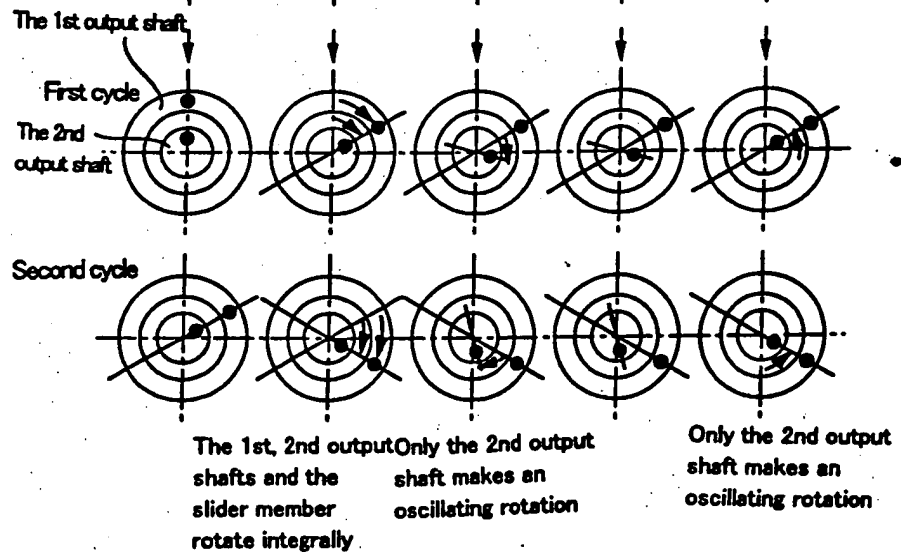
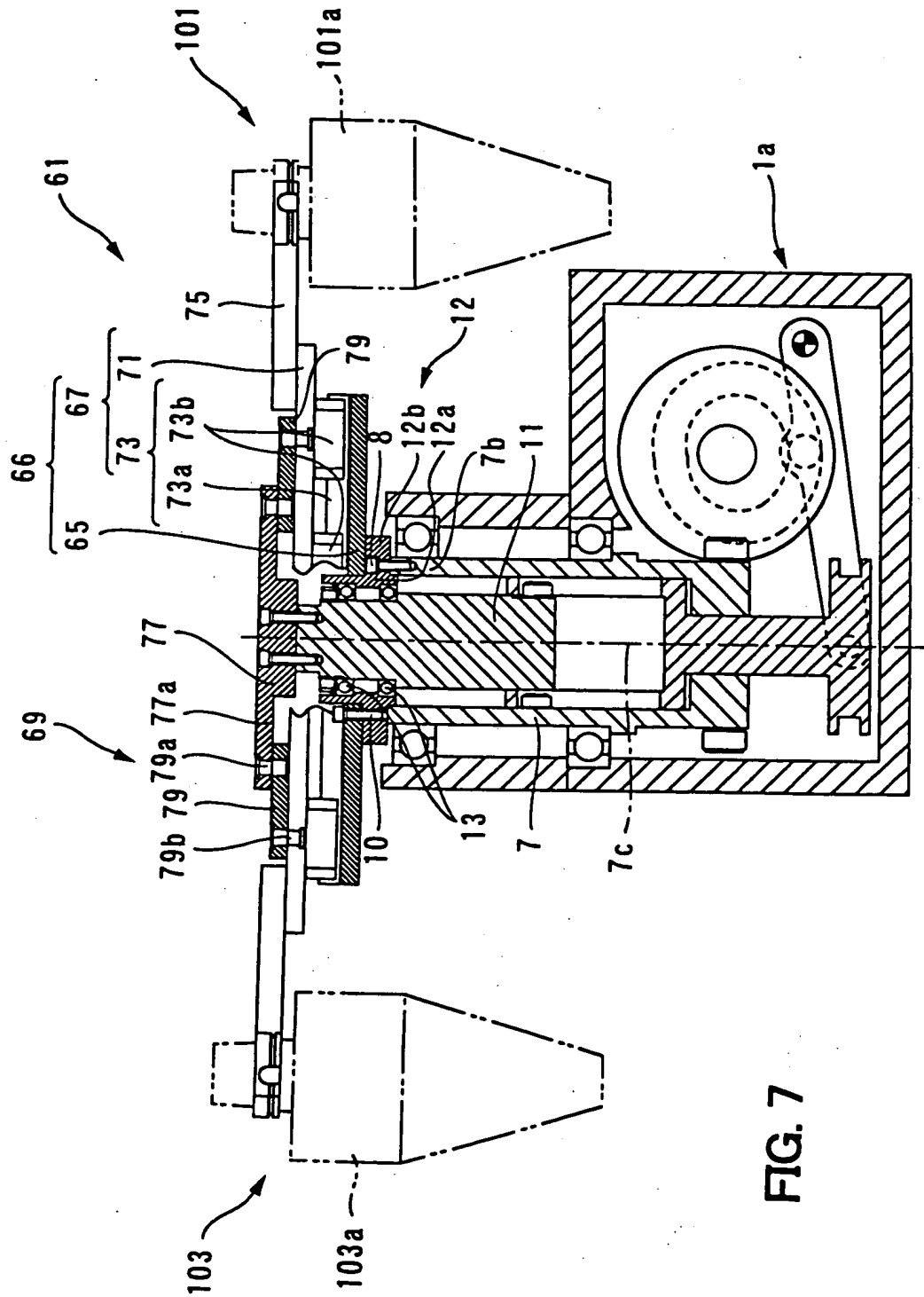


FIG. 6

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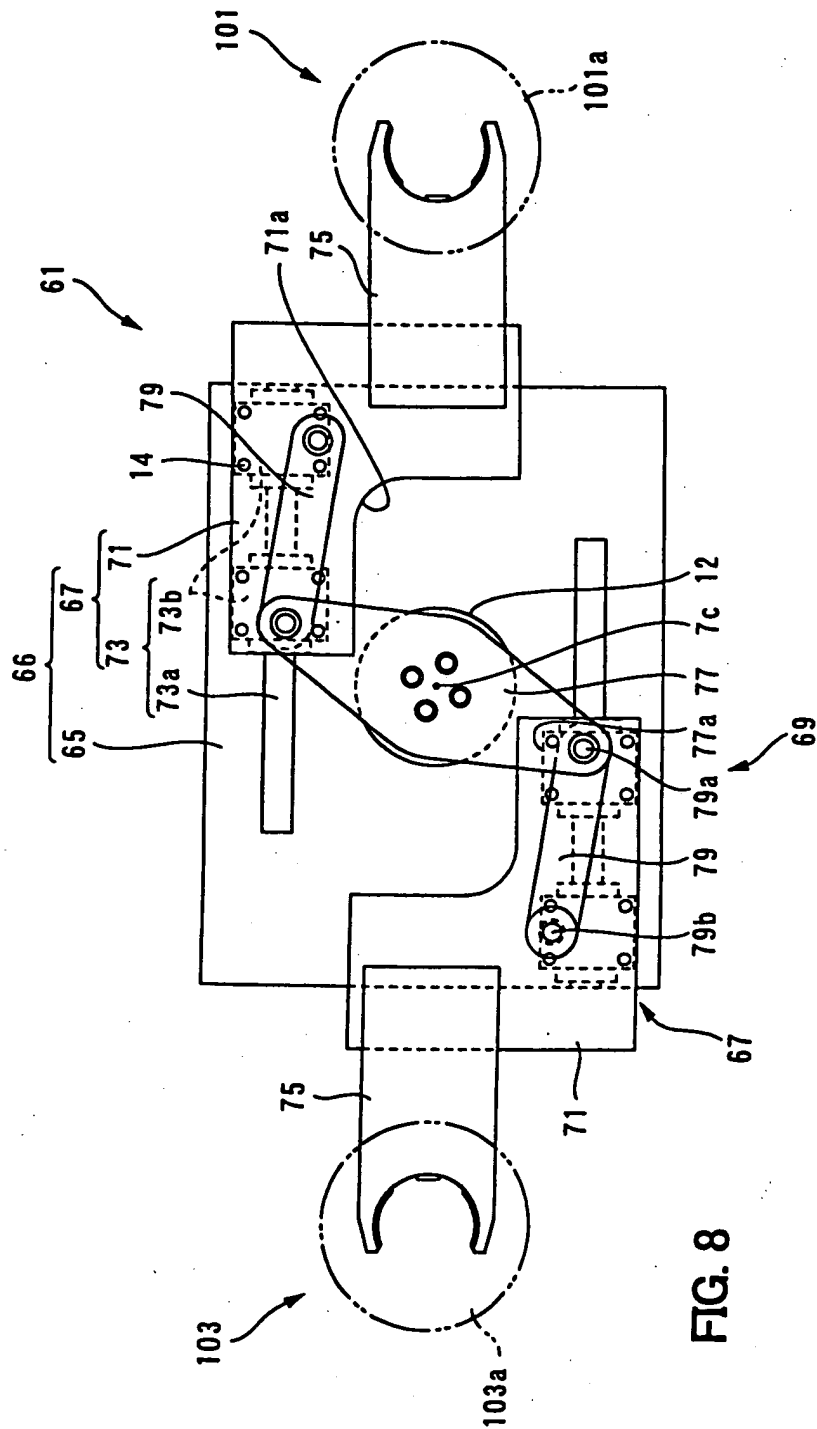
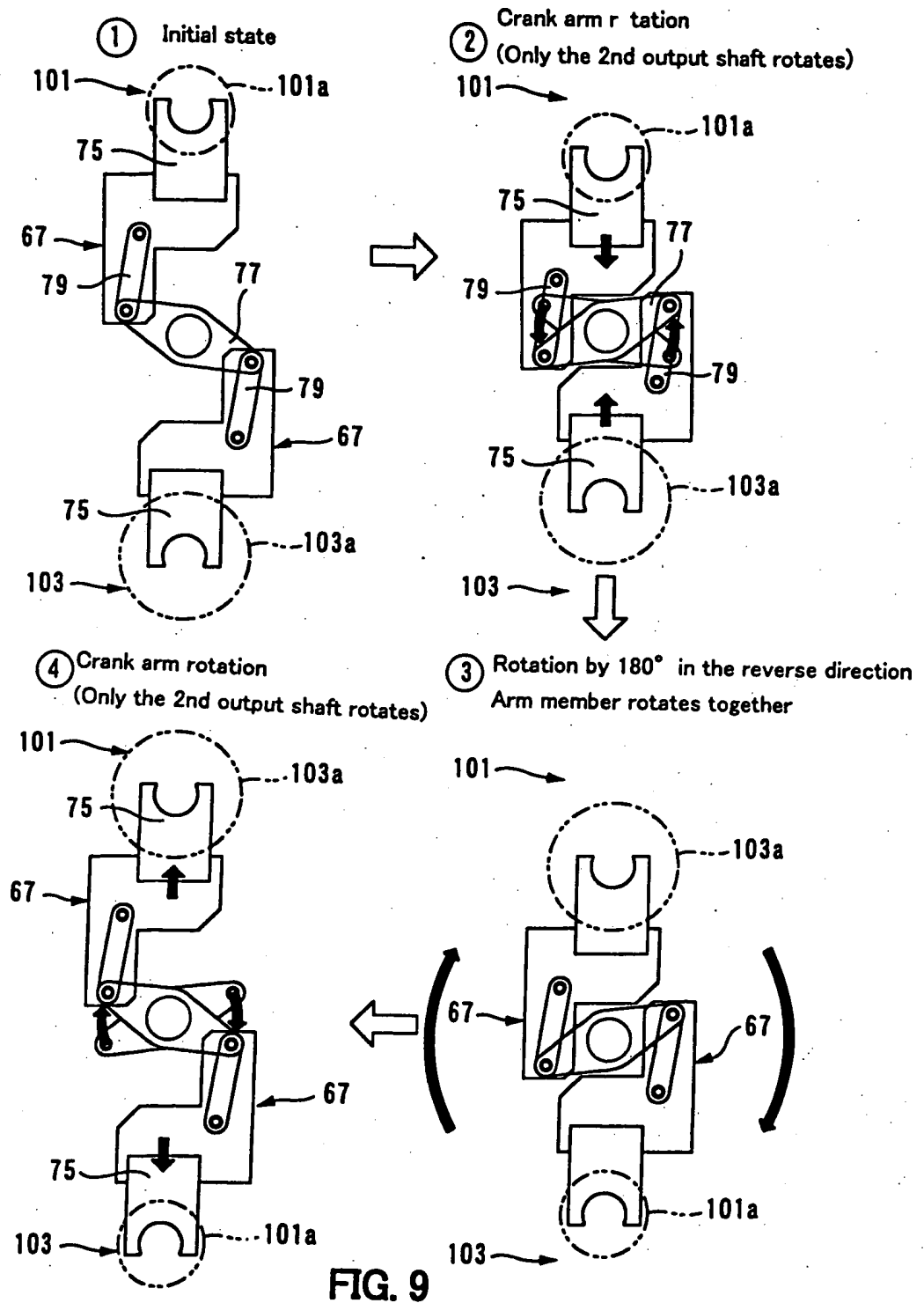


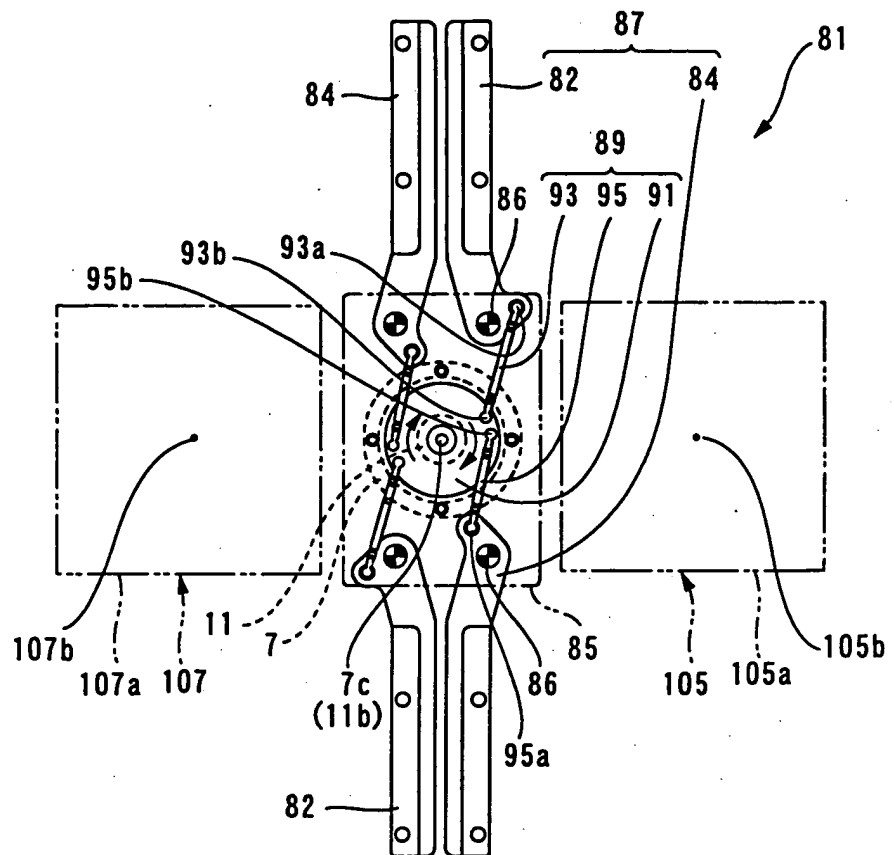
FIG. 8

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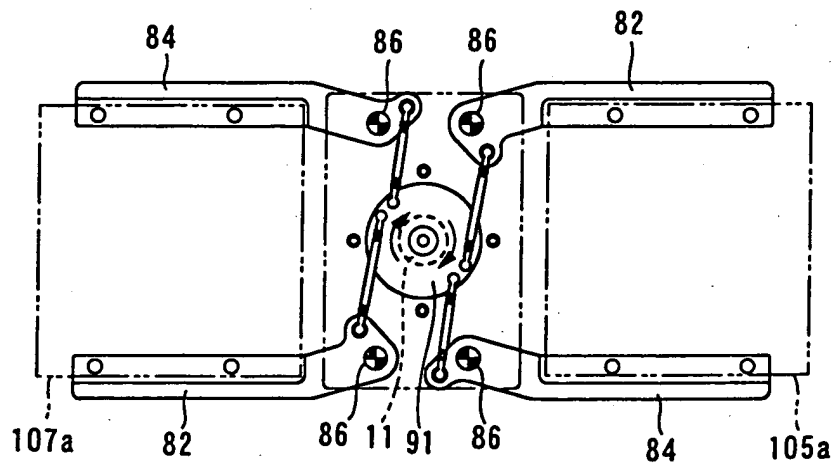


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**FIG. 10A** The snatching member in the unfolded state

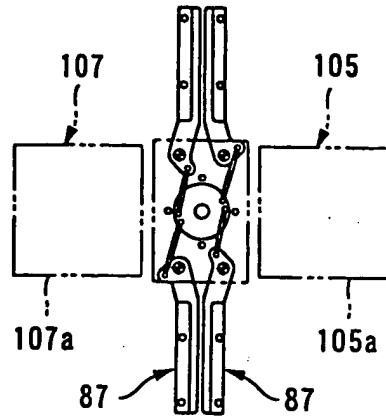


**FIG. 10B** The snatching member in the folded state

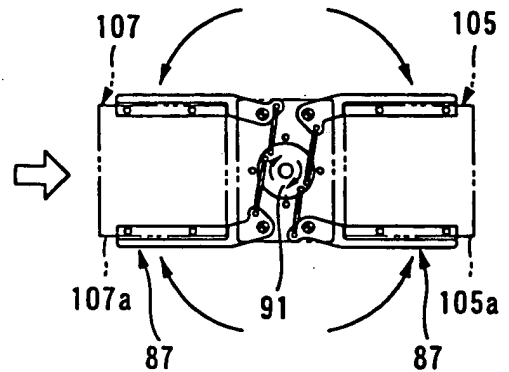


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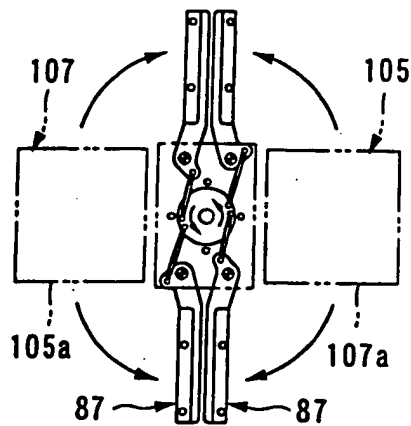
① Initial state



② The snatching arms fold, and catch the workpiece



④ The snatching arms unfold, and leave the workpiece free



③ The whole base member revolves by 180°

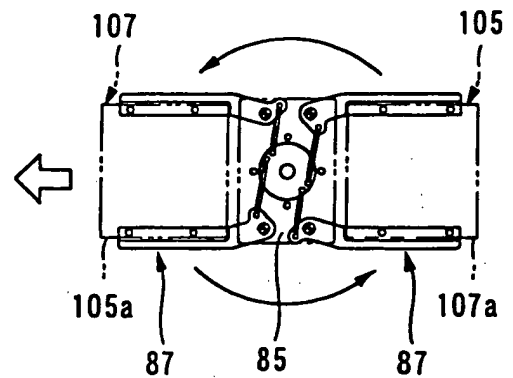


FIG. 11

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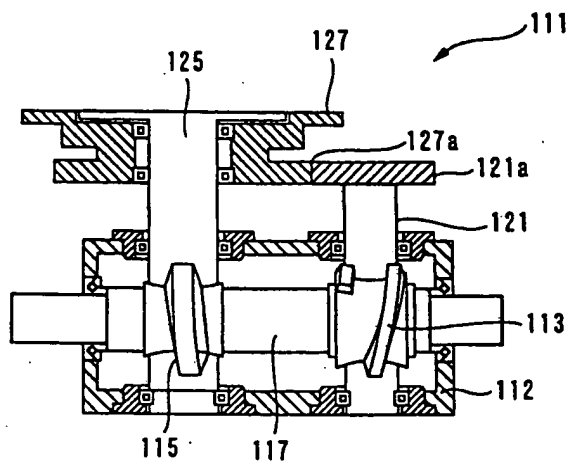


FIG. 12A

PRIOR ART

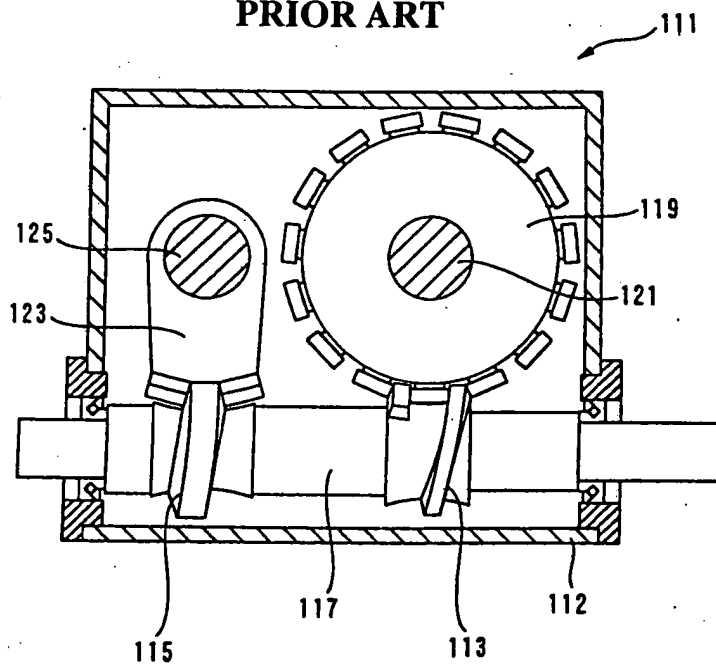


FIG. 12B

PRIOR ART